

Notice of Allowability	Application No.	Applicant(s)	
	10/619,823	QAMHIYAH ET AL.	
	Examiner	Art Unit	
	Nitin Patel	2673	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/13/2004.
 2. ☒ The allowed claim(s) is/are 1-10, 12-26 Now renumbered 1-25 respectively.
 3. ☒ The drawings filed on 14 July 2003 are accepted by the Examiner.
 4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>10/06/2003</u> 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
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REASON FOR ALLOWANCE

1. 1-10, 12-26 is allowed. Claim 11 has been cancelled.
2. The following is an examiner's statement of reason for allowance:

The prior art fails to teach or suggest a hand held device to control motion of a pointer on a display screen, the device having a pressure sensor with pressure sensitive zones that are each associated with a direction of motion of the picture of the pointer on the display screen and an actuator positioned to be manipulated by a digit of the hand holding the shell, and that when manipulated presses against at least one of the pressure sensitive zones causing each pressure sensitive zone to generate a signal having a magnitude that is proportional to an amount of pressure exerted on that zone at a particular point in time, and further causing the pointer to move on the display screen in a any angular direction that is determined both by the direction of motion associated with and also the magnitude of the signal generated by the at least one of the pressure sensitive zones against which the actuator is pressed as claimed with combined limitation of claim 1.

The prior art fails to teach or suggest an actuator usable within a hand held pointing device to control a pointer on a display screen, the actuator having a bottom surface having at least four protrusions spaced apart in a polygonal pattern that are associated with at least four pressure zones on a pressure sensitive film, such that when the actuator swivels about the pivot point, each pressure zone on the pressure sensitive film generates a signal having a magnitude that is proportional to an amount of pressure exerted on that pressure zone by one of the protrusions at a particular point in

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time causing the pointer to move on the display screen in any angular direction determined by both a direction of motion associated with and also the magnitude of the signal generated by each pressure zone against which the protrusions are pressed as claimed with combined limitation of claim 10.

The prior art fails to teach or suggest a method for controlling motion of a pointer on a display screen through operation of a hand held pointing device, detecting amounts of pressure applied to pressure sensitive zones on a pressure sensor when at least one protrusion of an actuator presses against at least one of the pressure sensitive zones, the pressure sensor and the actuator being contained within the hand held pressure sensitive zones that have signal magnitudes proportional to the amounts of pressure applied to the zones at a particular point in time; determining a direction of motion that is based on both a sensing direction of motion associated with and also on the magnitude of the signal generated by each pressure sensitive zone against which the at least one protrusion is pressed and sending information relating to the direction of motion to a computing device to cause motion of the pointer on the display screen as claimed with combined limitation of claim 16.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 571-272-7677.

The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H Shalwala can be reached on 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NP

April 13, 2005



VIJAY SHANKAR
PRIMARY EXAMINER